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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/562,130	12/23/2005	Gianfranco Bedetti	9526-73 (180747)	5561

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EXAMINER

GRAVINI, STEPHEN MICHAEL

ART UNIT	PAPER NUMBER
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3743

NOTIFICATION DATE	DELIVERY MODE
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08/05/2010

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ip@akerman.com

Office Action Summary	Application No. 10/562,130	Applicant(s) BEDETTI, GIANFRANCO	
	Examiner Stephen M. Gravini	Art Unit 3743	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 June 2010.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 December 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 103

Claims 1-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kinno (US 4,353,730) in view of Golant et al. (US 4,532,155) in view of Futer (US 3,309,619). The claims are reasonably and broadly construed, in light of the accompanying specification, to be disclosed by Kinno as comprising the steps of:

removing the finished hot granules from said granulation fluid bed at column 3 line 35 through column 4 line 12; and

cooling down said granules in a cooling fluid bed, continuously formed and supported by a respective flow of fluidification air, wherein at least part of the fluidification air coming out from said cooling fluid bed of the finished granules is fed into the granulation fluid bed at column 6 line 41 through column 7 line 22. Kinno also discloses the claimed reusing fluidification air fed into the granulation bed comes from the cooling bed at column 3 line 45 and wherein substantially all of the fluidification air coming out from the cooling bed is used as fluidification air for said granulation bed at column 3 line 56. Kinno discloses the invention, as claimed, except for the step of feeding granule seeds of a predetermined substance at a controlled temperature into a fluid granulation bed, at the same time as a flow of an appropriate growth substance in liquid state. Golant, another apparatus and process for granulating and or drying particles, discloses that feature at column 2 lines 30-35, column 3 lines 25 and 34

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wherein the beads of material meet the claimed granule seeds feeding, because beads are patentably indistinguishable from the claimed seeds. It would have been an obvious matter of design choice and obvious to one skilled in the art to combine the teachings of Kinno with the teachings of Golant for the purpose of optimizing drying and maximizing efficiency. Kinno in view of Golant discloses the invention as claimed except for the claimed cooling finished hot granules in a respective cooling fluid bed, it uses one single flow of fluidification air to continuously form and support, in order, said cooling and granulation fluid beds, substantially arranged with respect to said single flow, the claimed cascade feature, self-supporting structure substantially shaped like a container, defining a granulation space inside of it, in which a shelf is positioned, intended to support a granulation fluid bed, characterized in that it comprises, in said space, a further base plate, positioned below and in a predetermined distanced relationship from said shelf, said base plate being intended to support a respective cooling fluid bed of hot finished granules coming from said granulation bed, said cooling bed being in fluid communication with said granulation bed through said shelf, provided perforated, grated or in any case permeable to gas flows, a downcomer, extending vertically in said space, suitable for the transfer of finished granules from said granulation fluid bed to said cooling fluid bed at said further base plate, means for feeding and distributing fluidification air in said space below said further base plate, to form and maintain said cooling bed and said granulation bed, which are arranged in series with respect to said flow, wherein said downcomer comprises a vertical panel, supported in said space in a predetermined spaced relationship from a wall of said container structure, defining with

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it an interspace, said panel having a horizontal bottom side spaced from said further base plate, so as to define with it a passage, suitable for putting said interspace in communication with the space above the aforementioned base plate, wherein said interspace is in communication at the top with said space, through an opening provided in it wherein said cooling fluid bed is in communication with the outside through a pocket comprised between a wall of said container structure and a front panel fixed to the base plate supporting the cooling bed. Futer, another fluid bed, discloses those features as follows: cooling finished hot granules in a respective cooling fluid bed, it uses one single flow of fluidification air to continuously form and support, in order, said cooling and granulation fluid beds, substantially arranged with respect to said single flow at column 4 lines 35-52. Futer also discloses the claimed cascade feature (figure 1), self-supporting structure substantially shaped like a container, defining a granulation space inside of it, in which a shelf is positioned, intended to support a granulation fluid bed, characterized in that it comprises, in said space, a further base plate, positioned below and in a predetermined distanced relationship from said shelf, said base plate being intended to support a respective cooling fluid bed of hot finished granules coming from said granulation bed, said cooling bed being in fluid communication with said granulation bed through said shelf, provided perforated, grated or in any case permeable to gas flows, a downcomer, extending vertically in said space, suitable for the transfer of finished granules from said granulation fluid bed to said cooling fluid bed at said further base plate, means for feeding and distributing fluidification air in said space below said further base plate, to form and maintain said cooling bed and said

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granulation bed, which are arranged in series with respect to said flow (figure 4), wherein said downcomer comprises a vertical panel, supported in said space in a predetermined spaced relationship from a wall of said container structure, defining with it an interspace, said panel having a horizontal bottom side spaced from said further base plate, so as to define with it a passage, suitable for putting said interspace in communication with the space above the aforementioned base plate (figure 2), wherein said interspace is in communication at the top with said space, through an opening provided in it (figure 4) wherein said cooling fluid bed is in communication with the outside through a pocket comprised between a wall of said container structure and a front panel fixed to the base plate supporting the cooling bed (figure 5). It would have been obvious to one skilled in the art to combine the teachings of Kinno in view of Golant for the optimum use of fluid dynamics in optimizing energy use and efficient fluid bed granulation.

Double Patenting

Claims 1-12 are provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-10 of copending Application No. 10/599,751 in view of Golant. Golant, another apparatus and process for granulating and or drying particles, discloses that feature at column 2 lines 30-35, column 3 lines 25 and 34 wherein the beads of material meet the claimed granule seeds feeding, because beads are patentably indistinguishable from the claimed seeds. It would have been an obvious matter of design choice and obvious to

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one skilled in the art to combine the teachings of Futer in view of Shirley with the teachings of Golant for the purpose of optimizing drying and maximizing efficiency.

This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Response to Arguments

Applicant's arguments filed June 28, 2010 have been fully considered but are moot on the new grounds of rejection.

Conclusion

Other prior art references cited in this action disclose one or more features of the claimed invention, but are not relied upon in rejecting the claims.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen Gravini whose telephone number is 571 272 4875. The examiner can normally be reached on normal weekday business hours (east coast time).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kenneth B. Rinehart can be reached on 571 272 4881. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Stephen Gravini/
Primary Examiner, Art Unit 3743